

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075898.D
 Acq On : 20 Dec 2022 14:59
 Operator : JC\MD
 Sample : N6148-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-3052

Quant Time: Dec 21 01:28:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

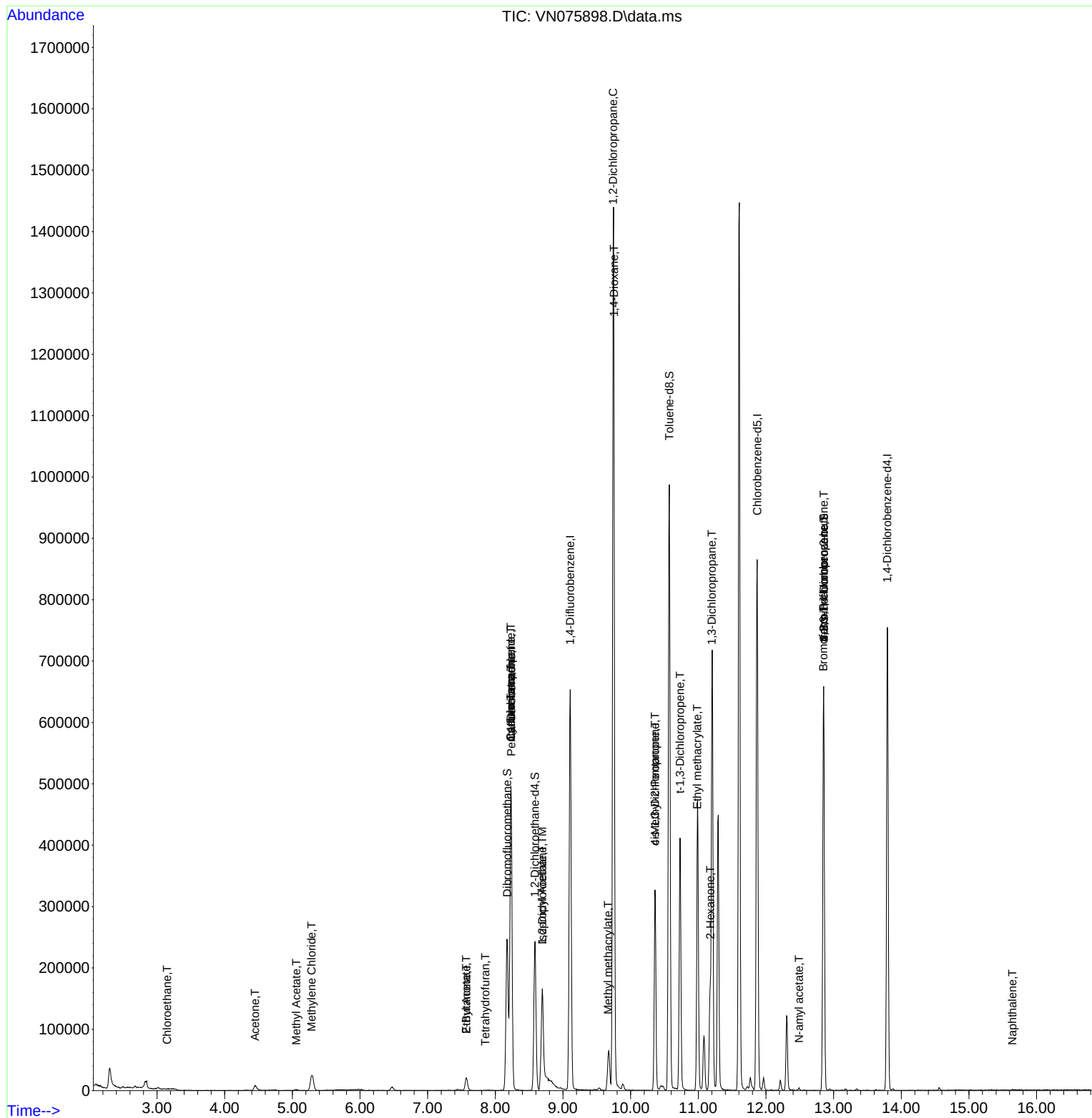
Internal Standards						
1) Pentafluorobenzene	8.235	168	387596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	608269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	528935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	196641	46.634	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.260%		
35) Dibromofluoromethane	8.177	113	177378	47.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	10.571	98	705467	50.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.180%		
62) 4-Bromofluorobenzene	12.853	95	222831	47.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.540%		
Target Compounds						Qvalue
6) Chloroethane	3.148	64	1197	0.396	ug/l #	44
16) Acetone	4.447	43	16018	11.020	ug/l	97
18) Methyl Acetate	5.059	43	2965	0.690	ug/l #	87
20) Methylene Chloride	5.283	84	22320	5.166	ug/l	93
25) 2-Butanone	7.571	43	31253	15.356	ug/l #	40
29) Tetrahydrofuran	7.853	42	297	0.233	ug/l #	40
31) Cyclohexane	8.230	56	7289	1.207	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	27100	5.416	ug/l #	50
37) Ethyl Acetate	7.571	43	31253	7.776	ug/l	99
38) Carbon Tetrachloride	8.230	117	38447	6.865	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	1229	0.239	ug/l #	72
43) Isopropyl Acetate	8.694	43	209685	31.625	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1987	0.529	ug/l #	43
48) Methyl methacrylate	9.665	41	3722	1.246	ug/l #	38
49) 1,4-Dioxane	9.753	88	94	1.280	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	113632	28.339	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	1200	0.224	ug/l #	56
54) cis-1,3-Dichloropropene	10.359	75	64684	11.013	ug/l #	62
56) Ethyl methacrylate	10.982	69	1382	0.264	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8691	1.343	ug/l #	42
59) 2-Hexanone	11.176	43	119024	40.703	ug/l #	20
71) Bromoform	12.847	173	1787	0.611	ug/l #	1
74) N-amyl acetate	12.488	43	1138	0.249	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	114100	26.230	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	114100	94.417	ug/l #	12
95) Naphthalene	15.641	128	1075	2.265	ug/l #	69

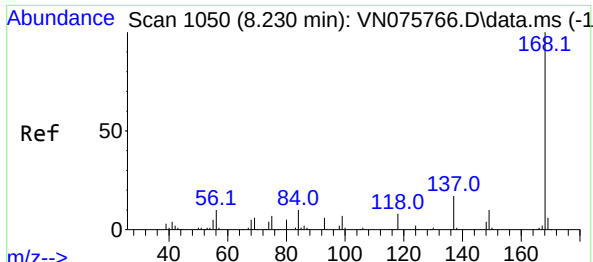
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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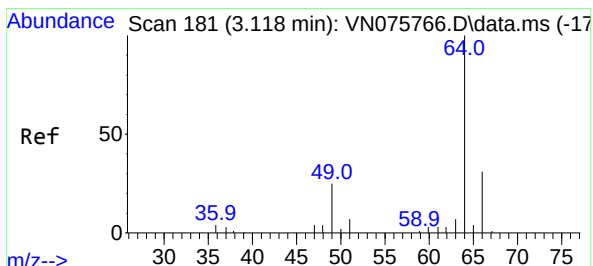
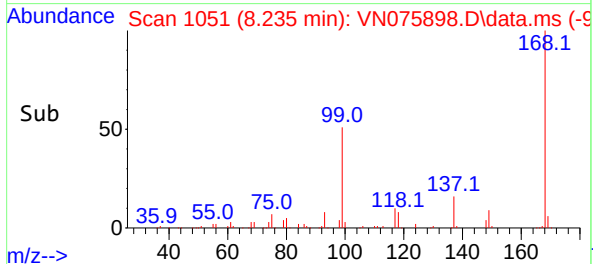
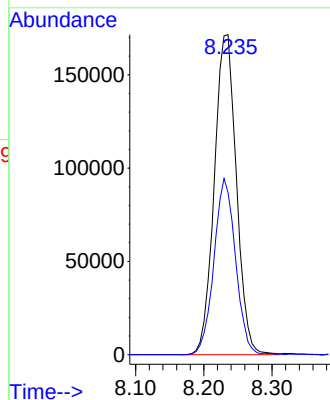
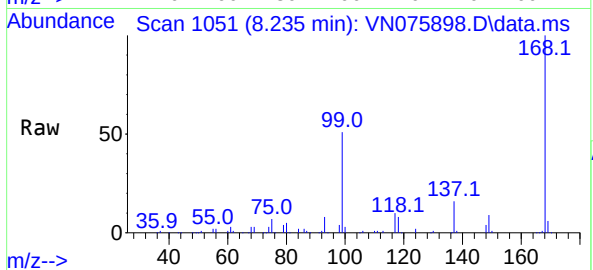




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

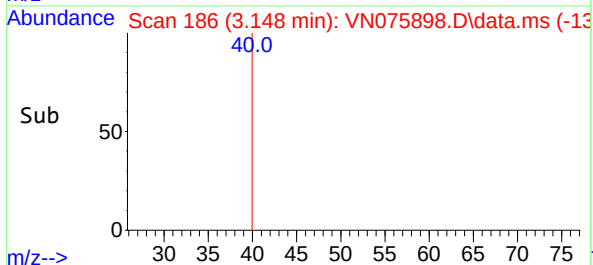
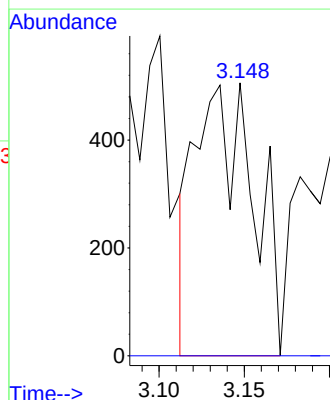
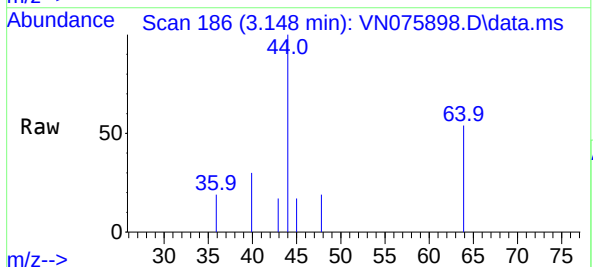
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

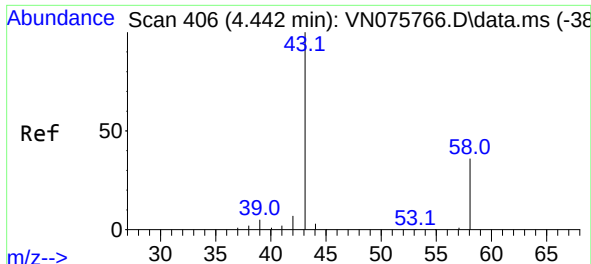
Tgt Ion:168 Resp: 387596
Ion Ratio Lower Upper
168 100
99 50.6 44.2 66.4



#6
Chloroethane
Concen: 0.396 ug/l
RT: 3.148 min Scan# 186
Delta R.T. 0.029 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 64 Resp: 1197
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

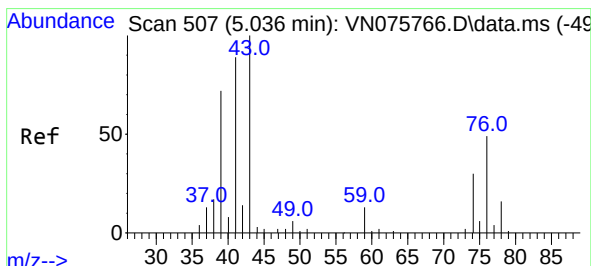
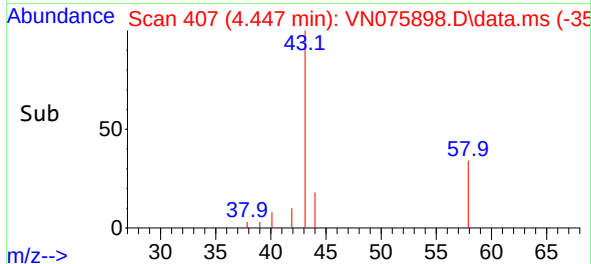
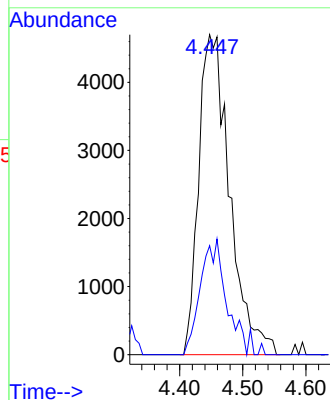
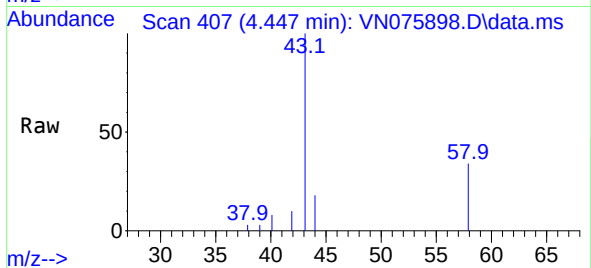




#16
Acetone
Concen: 11.020 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

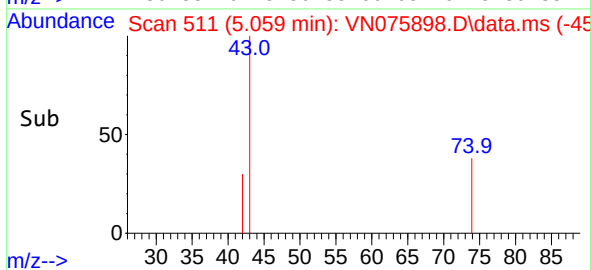
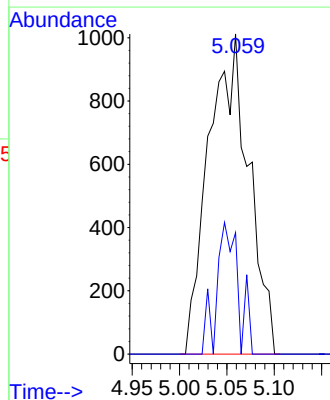
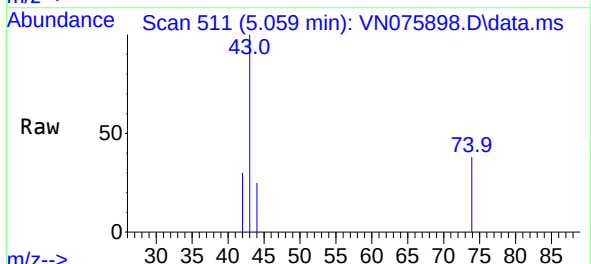
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

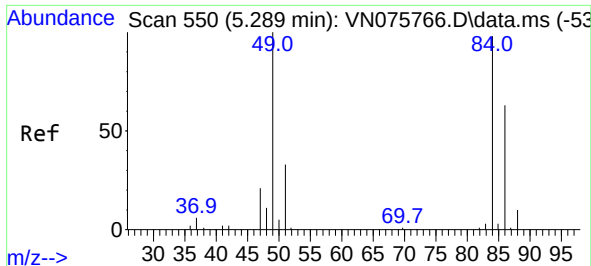
Tgt Ion: 43 Resp: 16018
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0



#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
74 22.5 23.6 35.4#



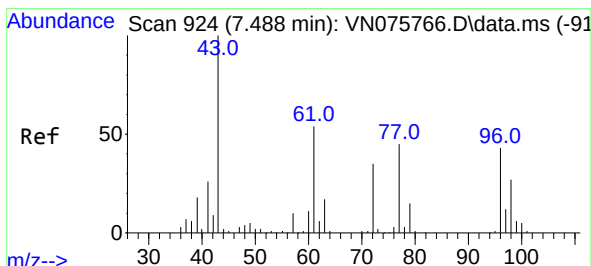
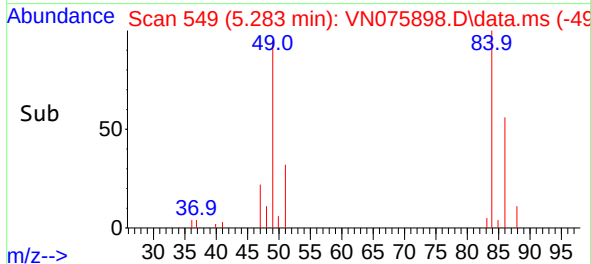
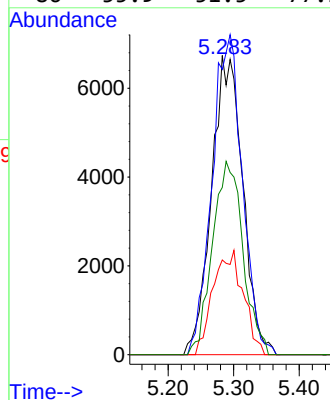
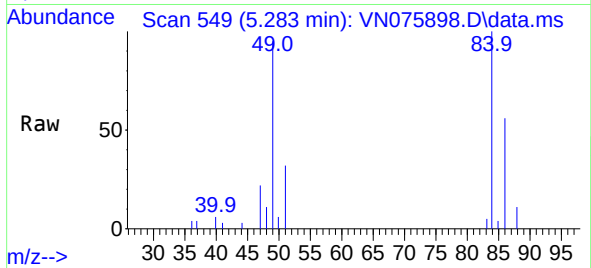


#20
Methylene Chloride
Concen: 5.166 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

Tgt Ion: 84 Resp: 22320

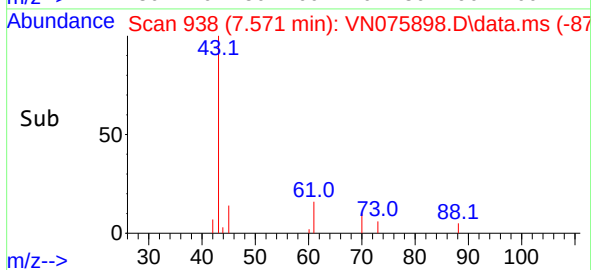
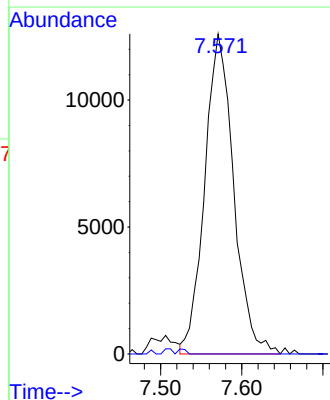
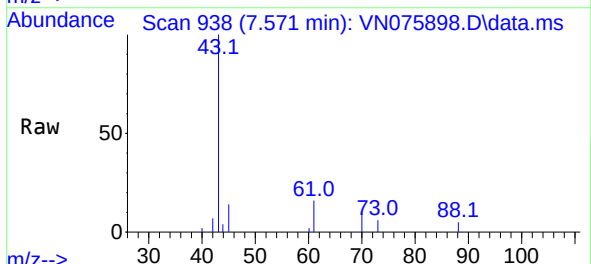
Ion	Ratio	Lower	Upper
84	100		
49	95.4	81.8	122.6
51	31.6	26.7	40.1
86	55.9	51.5	77.3

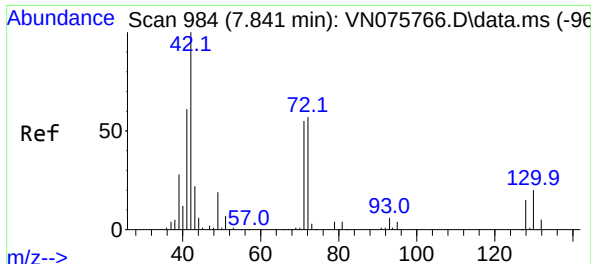


#25
2-Butanone
Concen: 15.356 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.082 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 43 Resp: 31253

Ion	Ratio	Lower	Upper
43	100		
72	0.0	28.0	42.0#





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075898.D

Acq: 20 Dec 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-3052

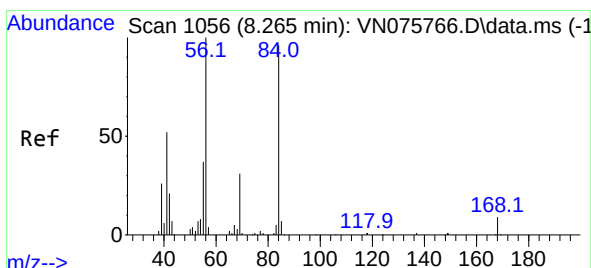
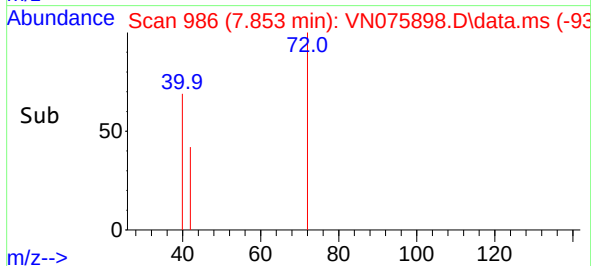
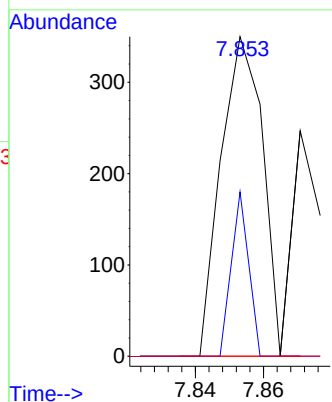
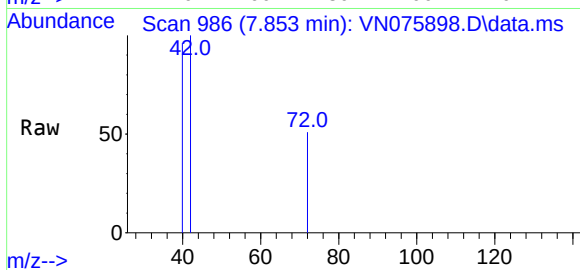
Tgt Ion: 42 Resp: 297

Ion Ratio Lower Upper

42 100

72 21.5 44.5 66.7#

71 0.0 41.0 61.6#



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075898.D

Acq: 20 Dec 2022 14:59

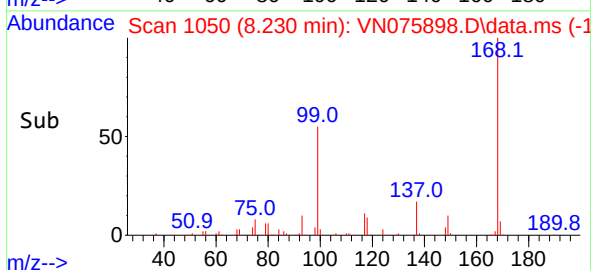
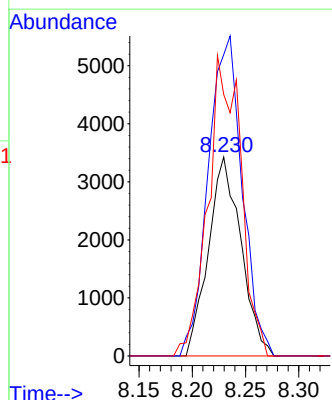
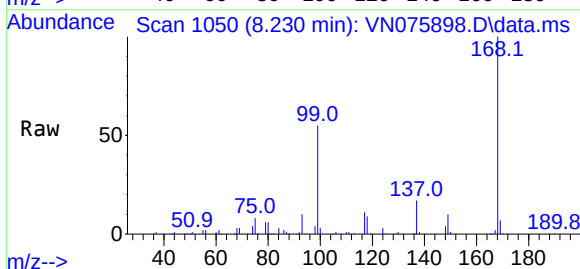
Tgt Ion: 56 Resp: 7289

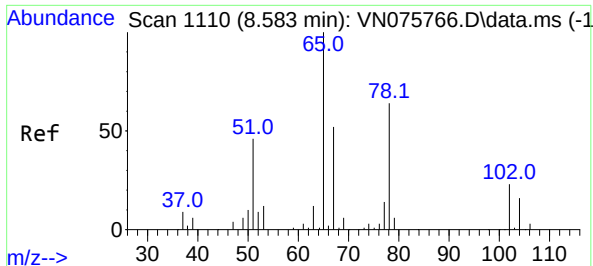
Ion Ratio Lower Upper

56 100

69 151.5 24.7 37.1#

84 131.4 76.5 114.7#

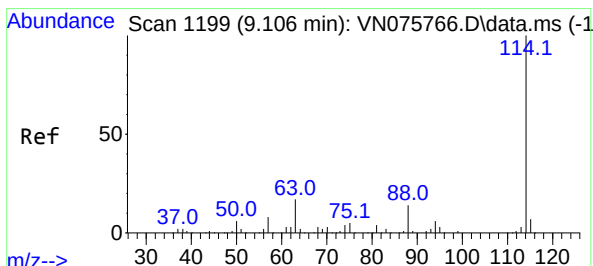
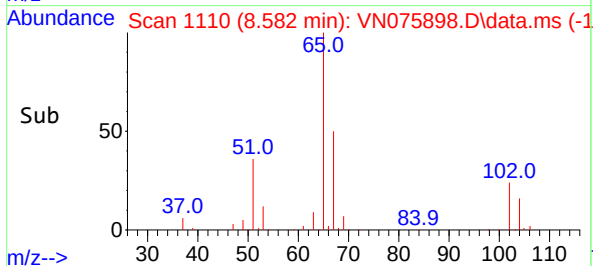
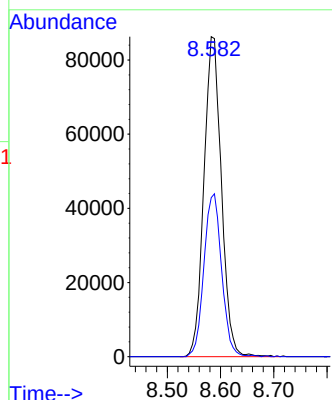
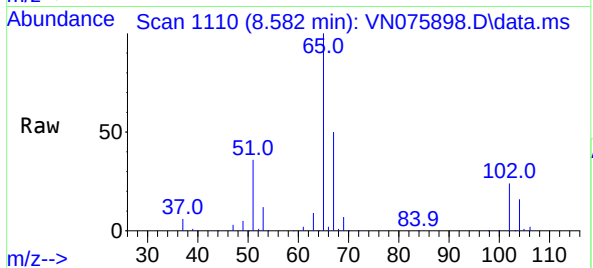




#33
1,2-Dichloroethane-d4
Concen: 46.634 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

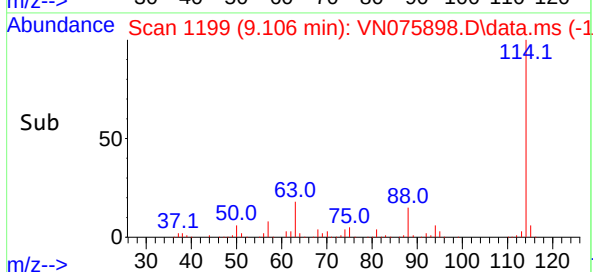
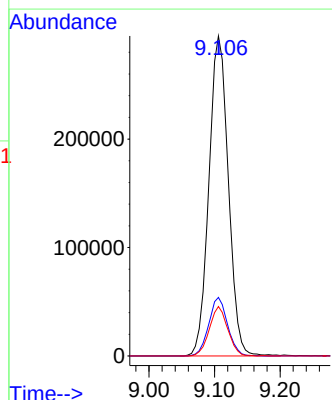
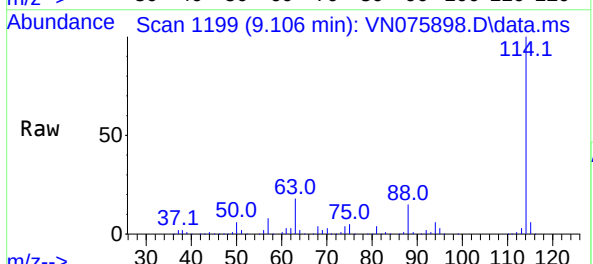
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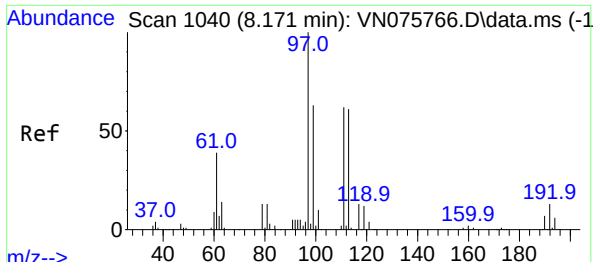
Tgt Ion: 65 Resp: 196641
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

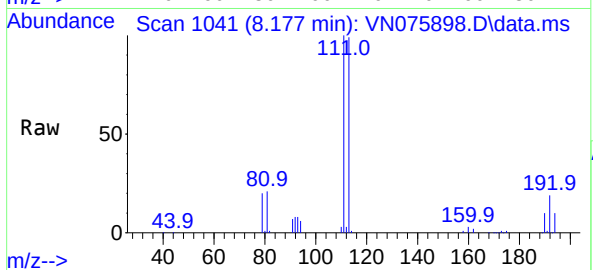
Tgt Ion: 114 Resp: 608269
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.4
88 15.5 0.0 28.8



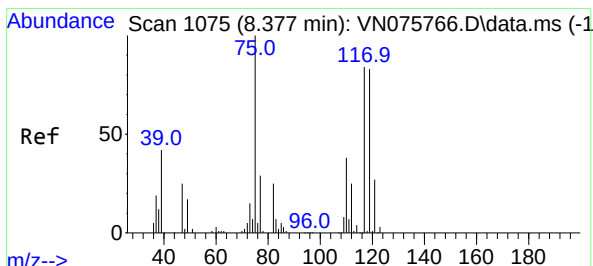
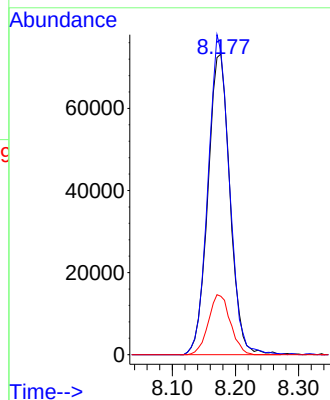
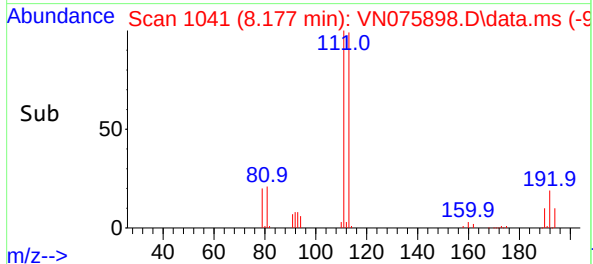


#35
Dibromofluoromethane
Concen: 47.088 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075898.D
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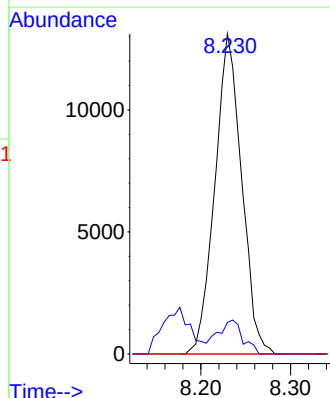
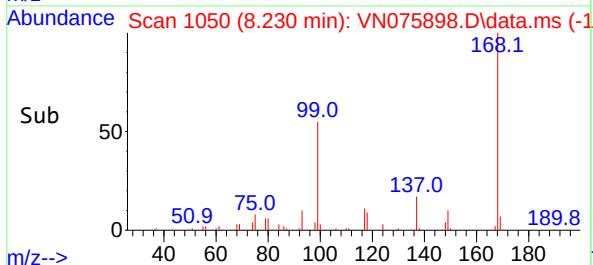
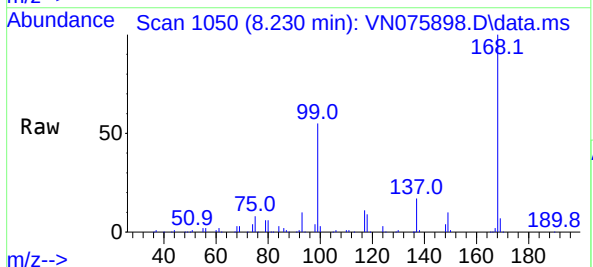


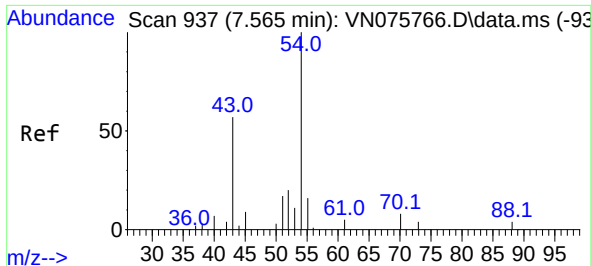
Tgt Ion:113 Resp: 177378
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.2
192 19.9 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 75 Resp: 27100
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#

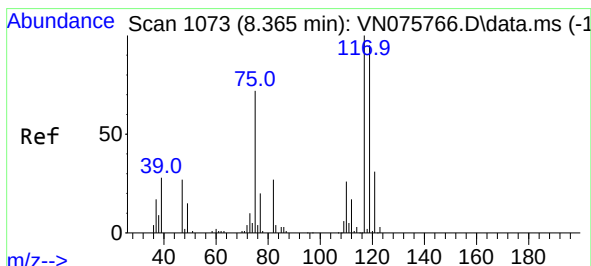
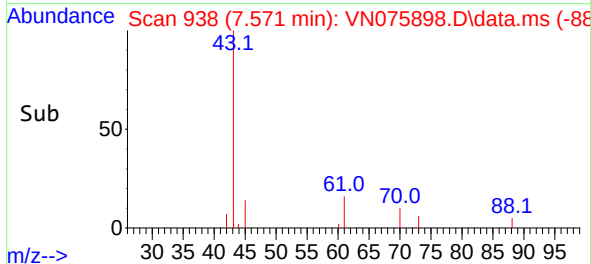
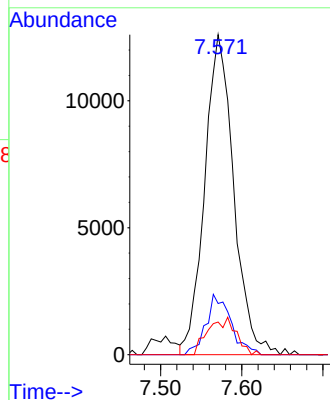
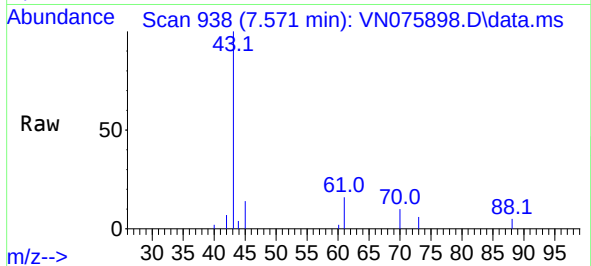




#37
Ethyl Acetate
Concen: 7.776 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

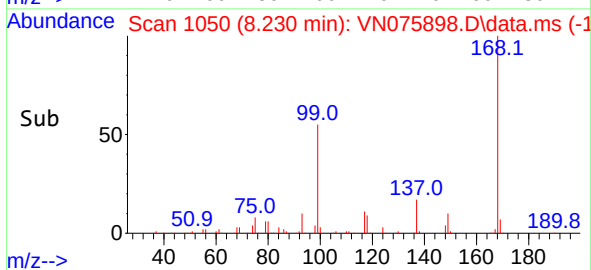
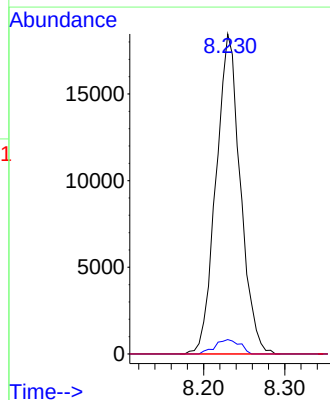
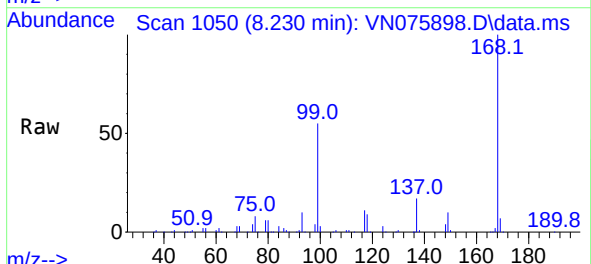
Instrument :
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ClientSampleId :
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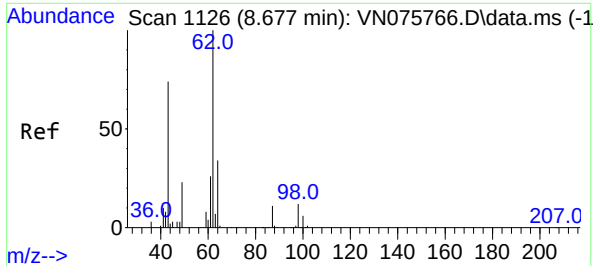
Tgt Ion:	43	Resp:	31253
Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.0	19.4
70	11.3	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.865 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion:	117	Resp:	38447
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.5	36.7#

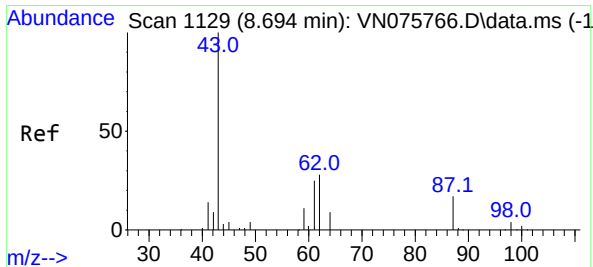
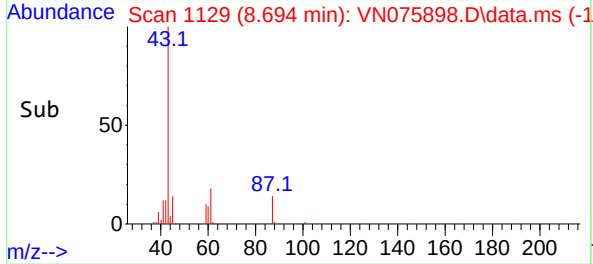
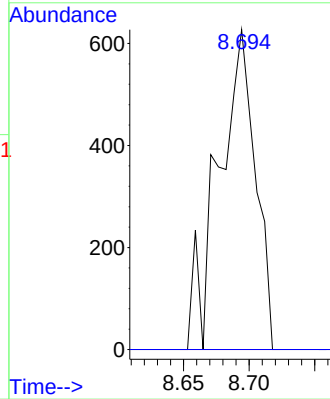
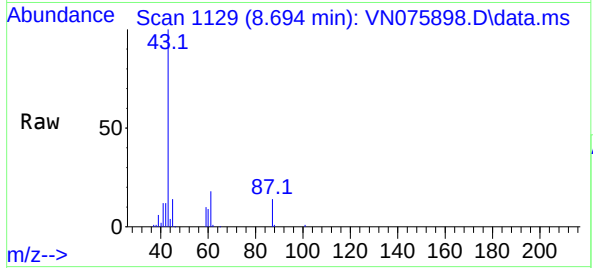




#42
1,2-Dichloroethane
Concen: 0.239 ug/l
RT: 8.694 min Scan# 1126
Delta R.T. 0.018 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

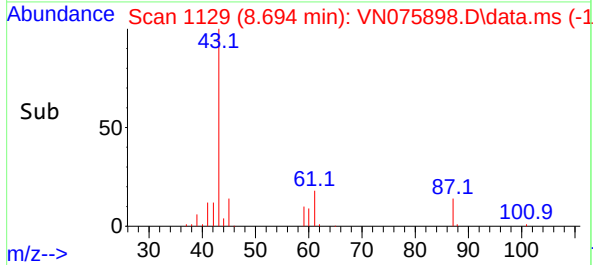
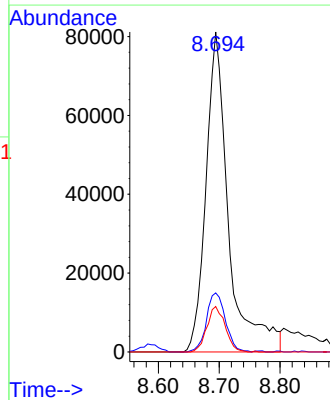
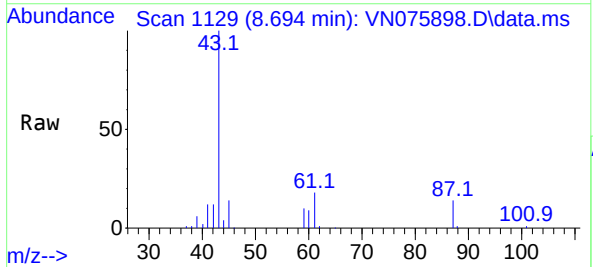
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

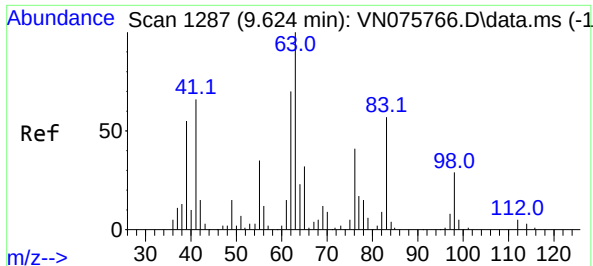
Tgt Ion: 62 Resp: 1229
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8



#43
Isopropyl Acetate
Concen: 31.625 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 43 Resp: 209685
Ion Ratio Lower Upper
43 100
61 15.5 24.2 36.4#
87 11.5 13.3 19.9#

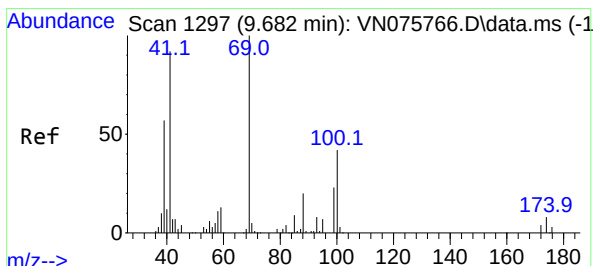
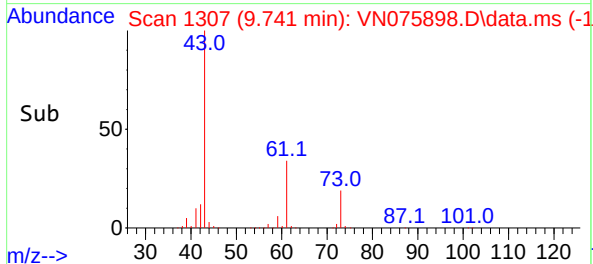
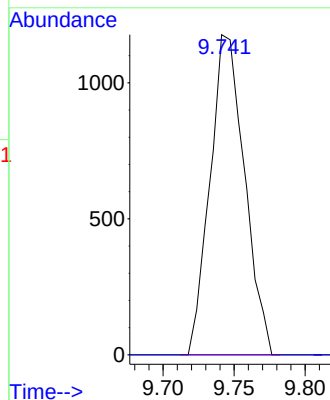
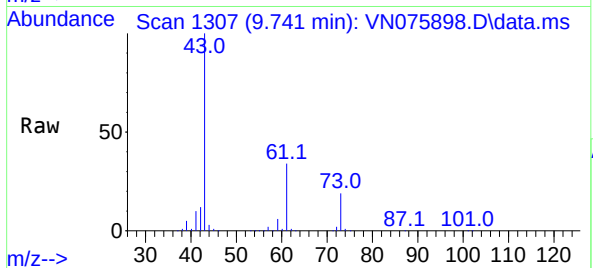




#45
1,2-Dichloropropane
Concen: 0.529 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

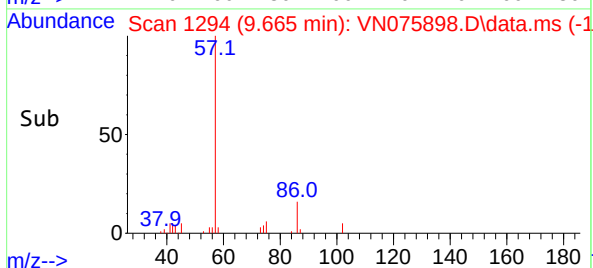
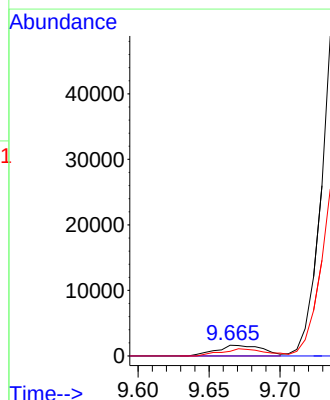
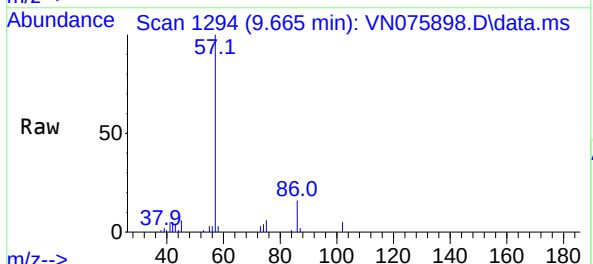
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

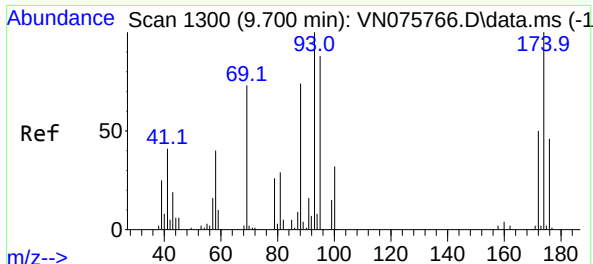
Tgt Ion: 63 Resp: 1987
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 1.246 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 41 Resp: 3722
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 64.4 51.6 77.4

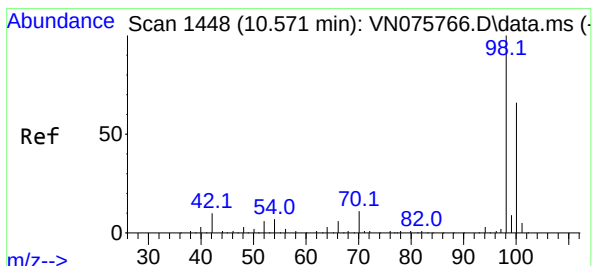
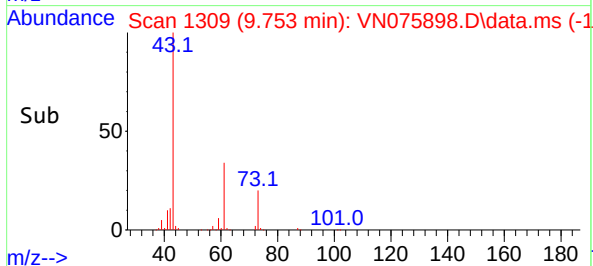
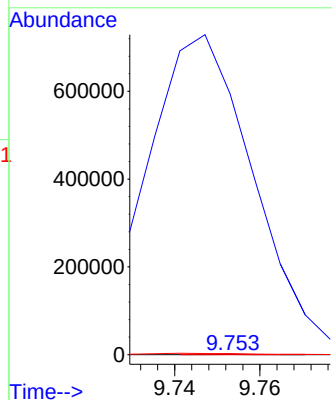
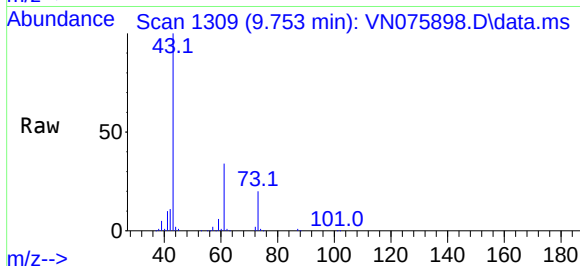




#49
1,4-Dioxane
Concen: 1.280 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

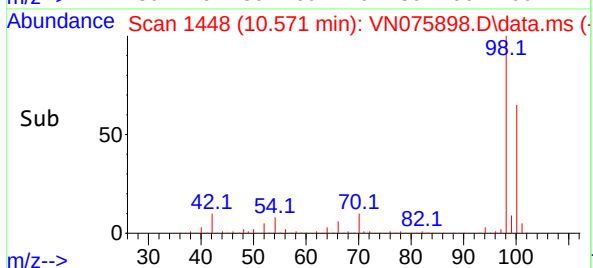
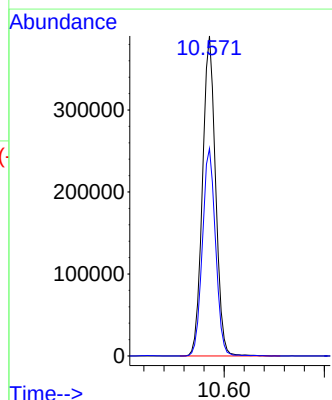
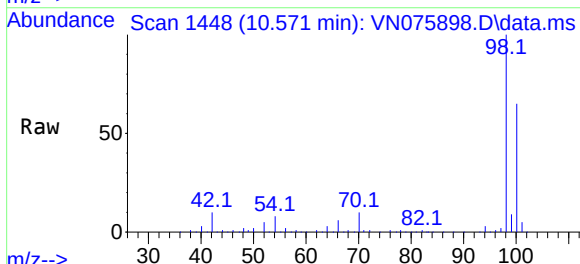
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

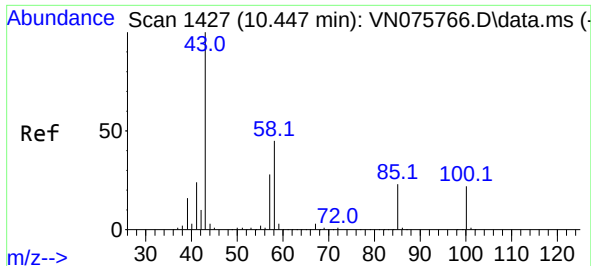
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 1406048.9 17.1 25.7#
58 6070.2 47.8 71.8#



#50
Toluene-d8
Concen: 50.090 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 98 Resp: 705467
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 28.339 ug/l

RT: 10.359 min Scan# 14

Delta R.T. -0.088 min

Lab File: VN075898.D

Acq: 20 Dec 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

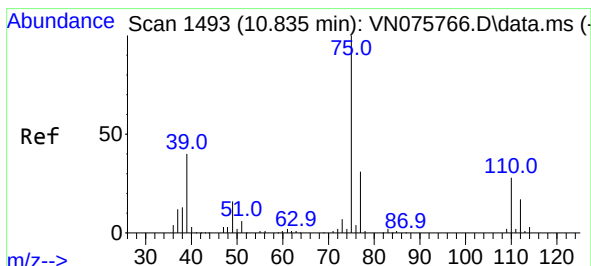
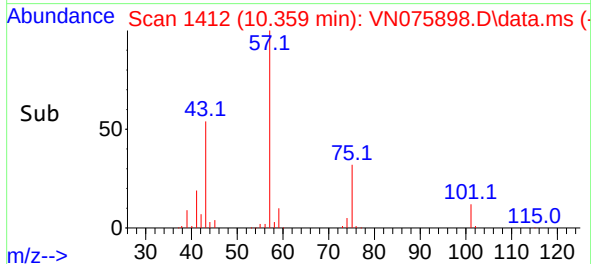
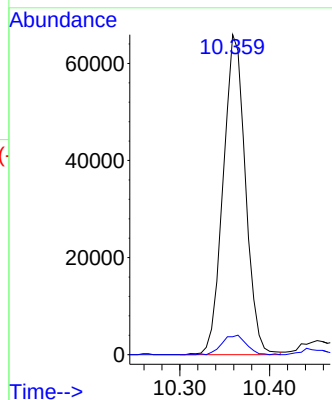
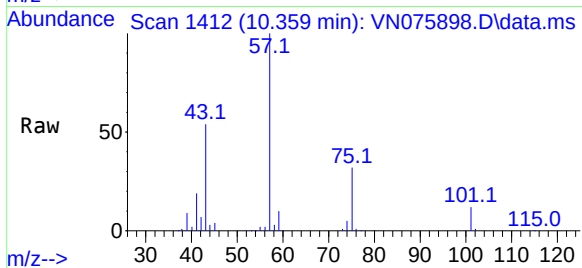
COMPOSITE-3052

Tgt Ion: 43 Resp: 113632

Ion Ratio Lower Upper

43 100

58 6.7 35.5 53.3#



#53

t-1,3-Dichloropropene

Concen: 0.224 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN075898.D

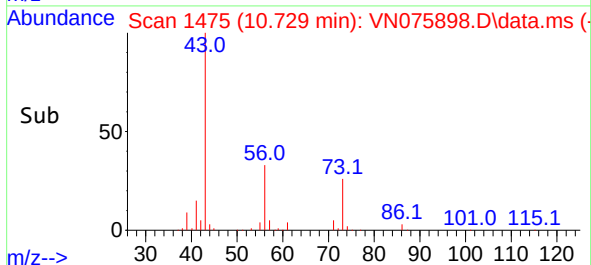
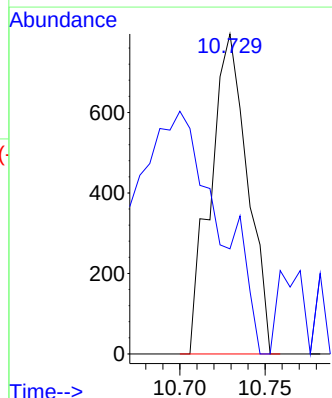
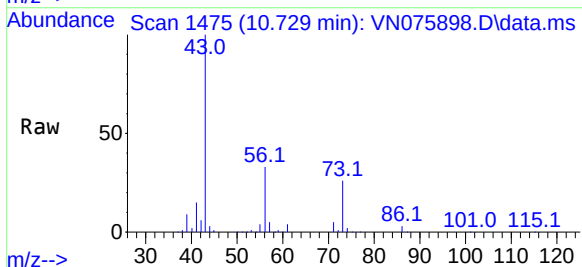
Acq: 20 Dec 2022 14:59

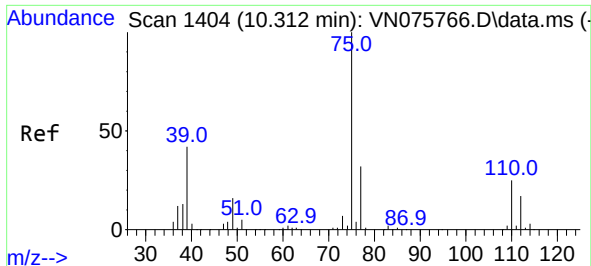
Tgt Ion: 75 Resp: 1200

Ion Ratio Lower Upper

75 100

77 6.8 24.9 37.3#

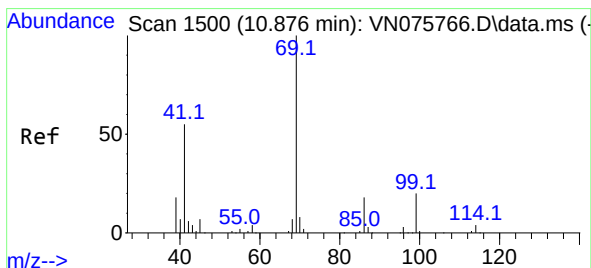
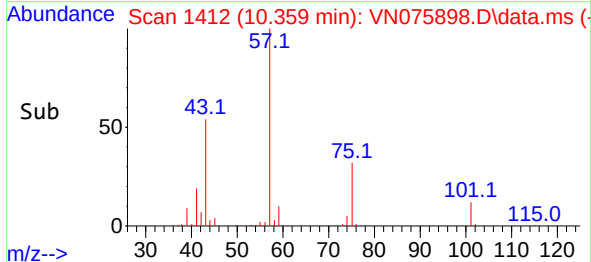
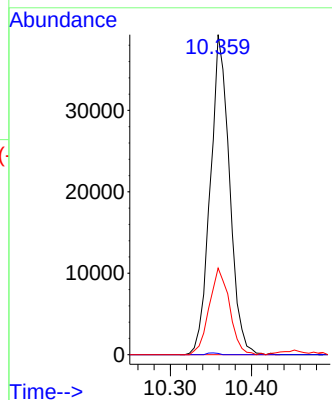
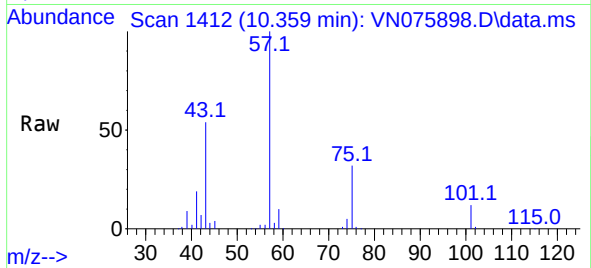




#54
cis-1,3-Dichloropropene
Concen: 11.013 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

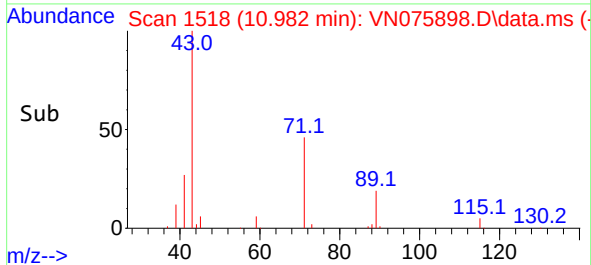
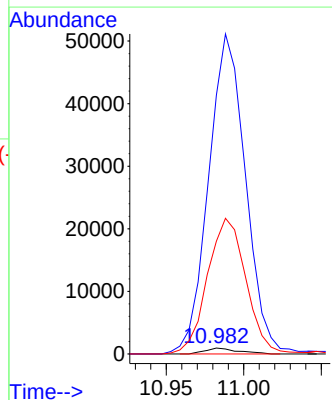
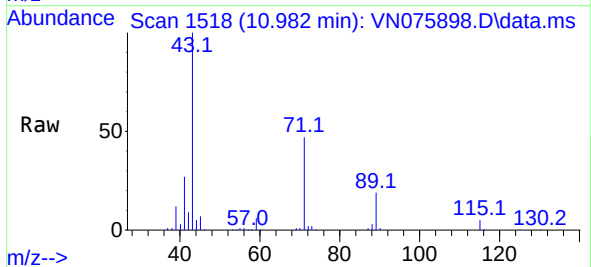
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

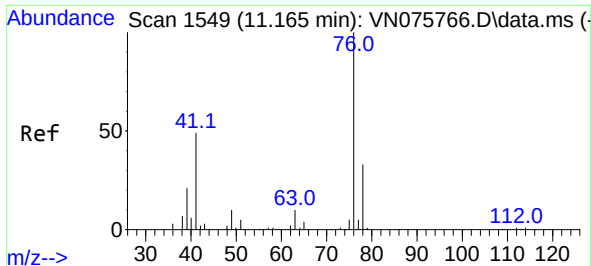
Tgt Ion: 75 Resp: 64684
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 27.0 33.4 50.2#



#56
Ethyl methacrylate
Concen: 0.264 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 69 Resp: 1382
Ion Ratio Lower Upper
69 100
41 6164.3 44.2 66.4#
39 2715.2 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.343 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075898.D

Acq: 20 Dec 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

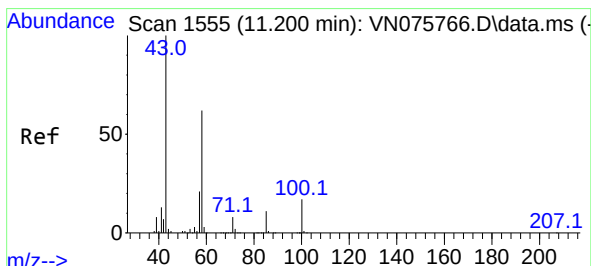
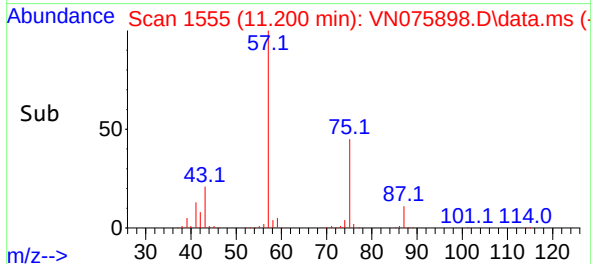
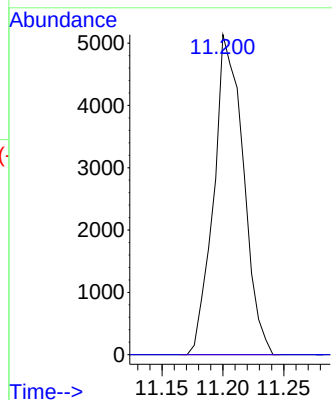
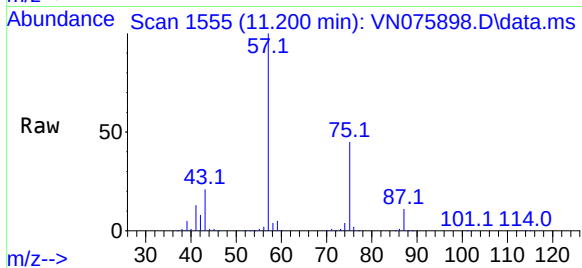
COMPOSITE-3052

Tgt Ion: 76 Resp: 8691

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 40.703 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN075898.D

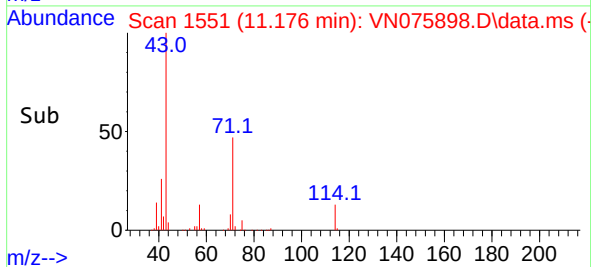
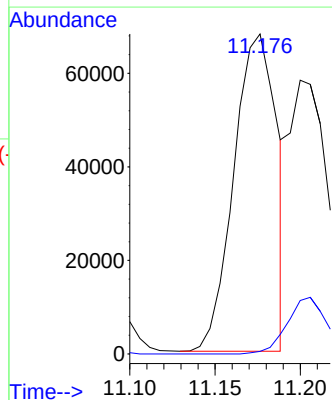
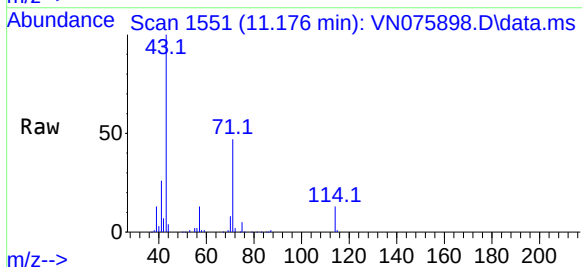
Acq: 20 Dec 2022 14:59

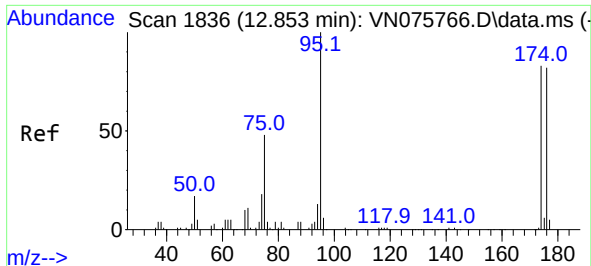
Tgt Ion: 43 Resp: 119024

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

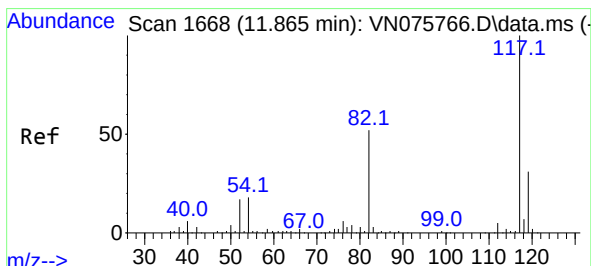
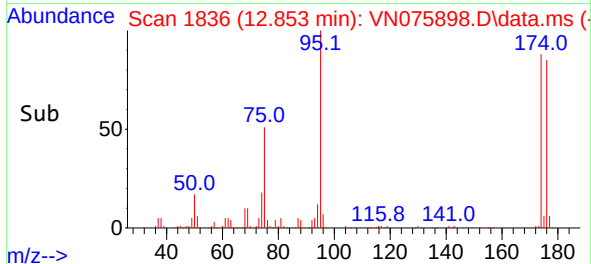
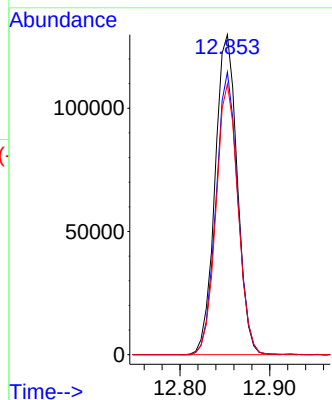
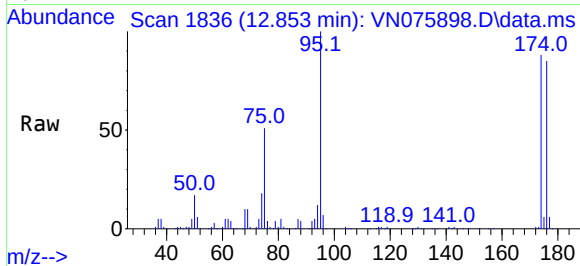




#62
4-Bromofluorobenzene
Concen: 47.769 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

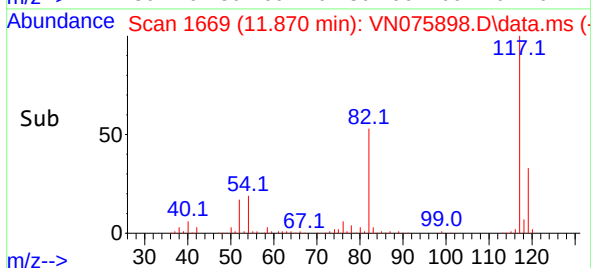
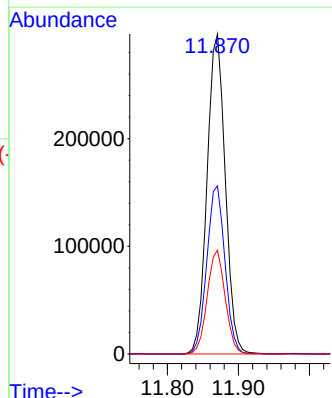
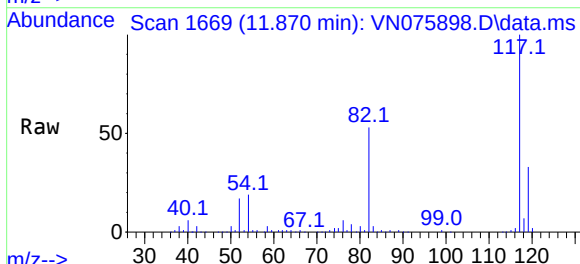
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

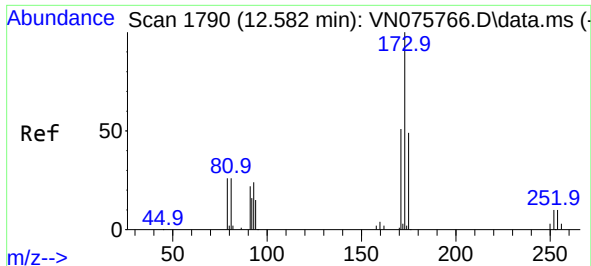
Tgt Ion: 95 Resp: 222831
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 83.7 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 117 Resp: 528935
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 32.5 24.6 37.0

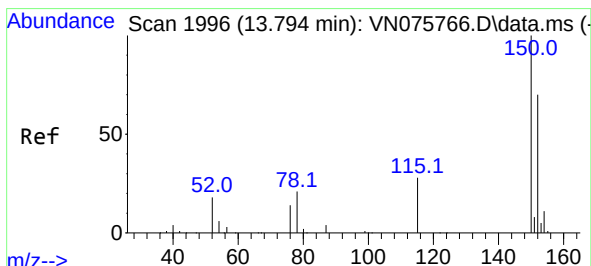
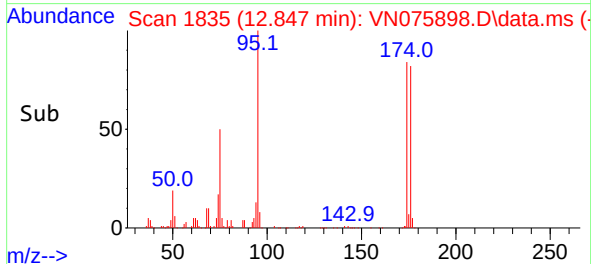
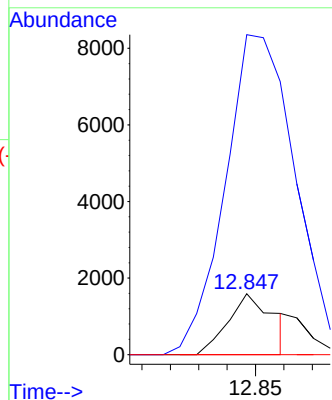
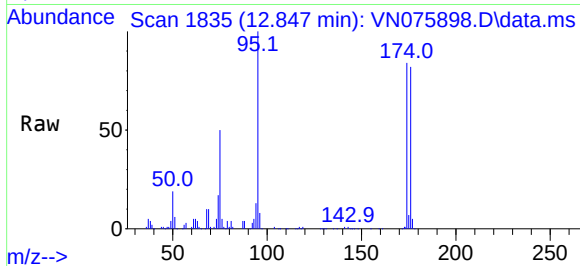




#71
Bromoform
Concen: 0.611 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

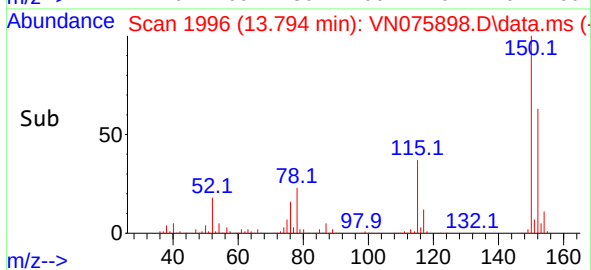
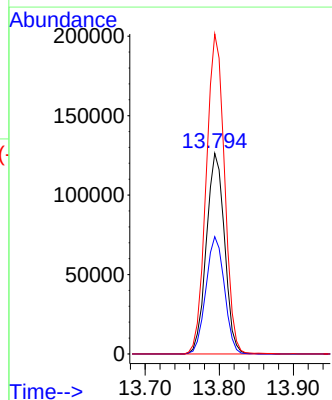
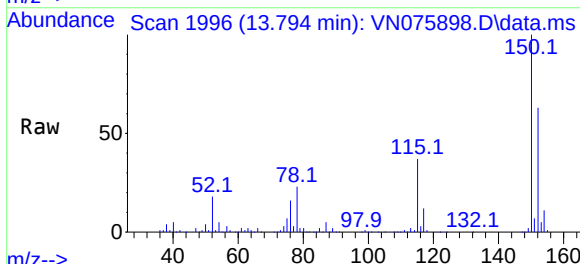
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

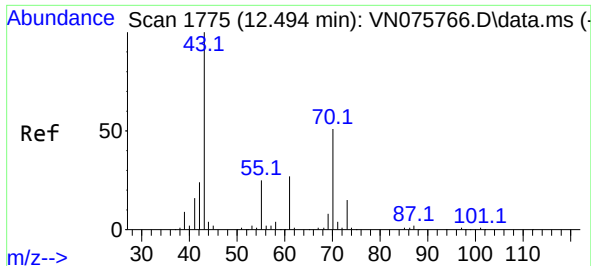
Tgt Ion:173 Resp: 1787
Ion Ratio Lower Upper
173 100
175 648.5 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion:152 Resp: 215795
Ion Ratio Lower Upper
152 100
115 59.4 29.1 87.4
150 160.4 0.0 347.0

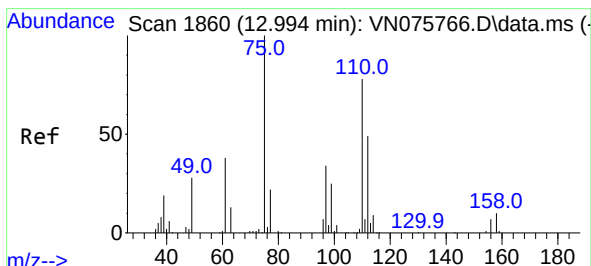
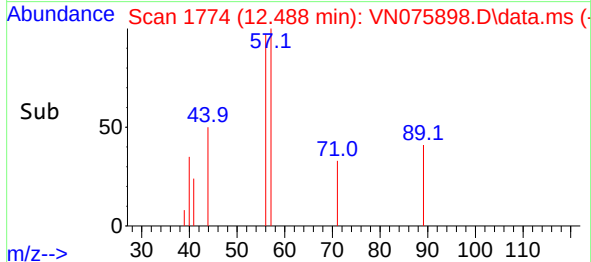
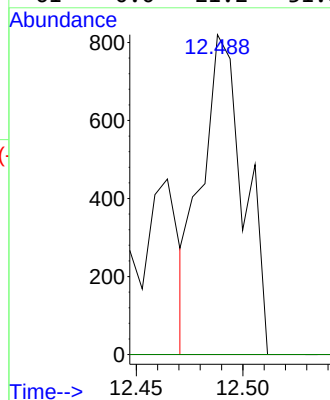
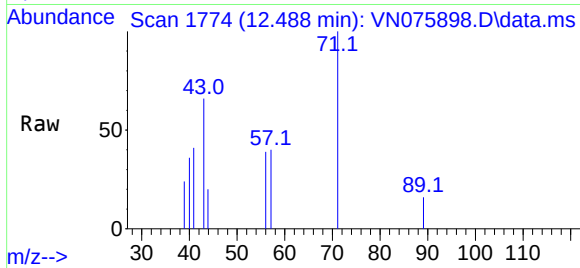




#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 12.488 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

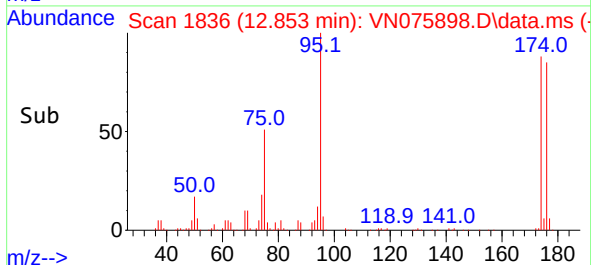
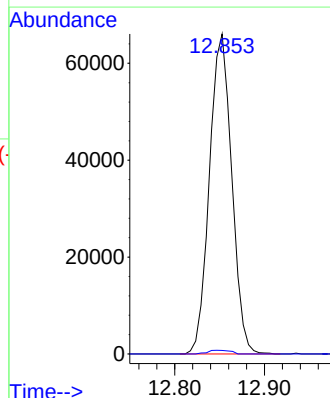
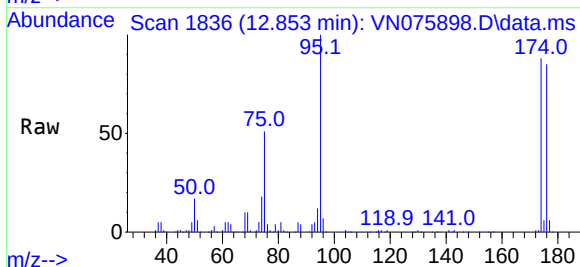
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

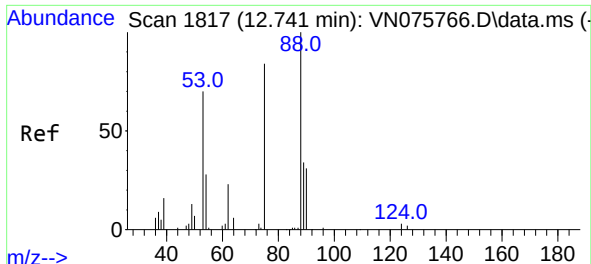
Tgt Ion: 43	Resp:	1138
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.4 62.0#
55	0.0	21.3 31.9#
61	0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 26.230 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion: 75	Resp:	114100
Ion	Ratio	Lower Upper
75	100	
77	1.2	82.6 247.8#

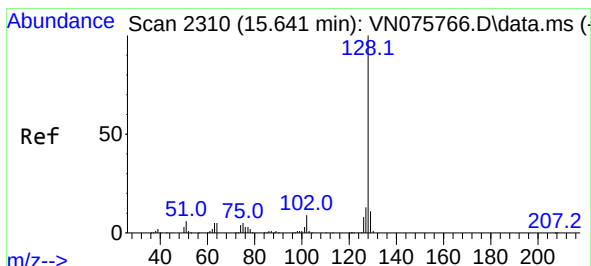
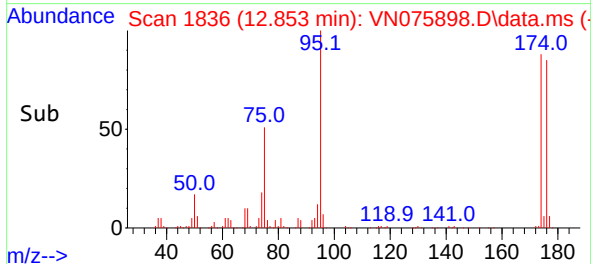
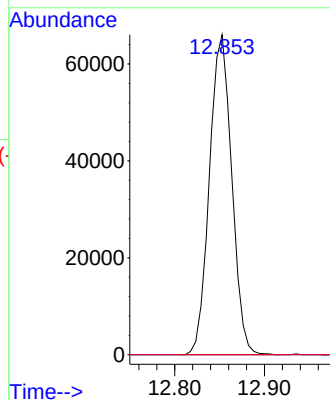
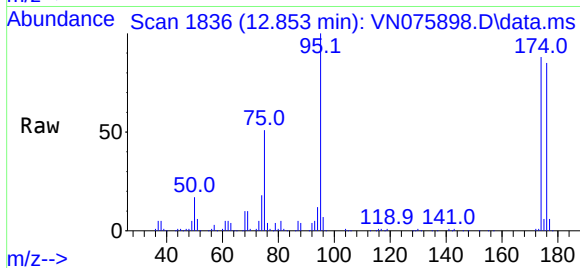




#81
trans-1,4-Dichloro-2-butene
Concen: 94.417 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-3052

Tgt Ion: 75 Resp: 114100
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.265 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075898.D
Acq: 20 Dec 2022 14:59

Tgt Ion:128 Resp: 1075
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

